

# M. P. MÖLLER Organ Factory

3/20

Pipe Organ No. R-580 Date May 30, 1956  
 For MEMORIAL EVANGELICAL LUTHERAN CHURCH, HARRISBURG, PA.  
 Action Electro-Pneumatic Console Detached  
 Casing No. None Finish To Match Existing Furnishings  
 Decorations None Motor Present Motor & Blower  
 Width of Key-bed Standard Stop Controls Draw-Knobs & Tilting Tablets  
 No. Manuals Three & Pedal Wind Pressure See Below  
 To be Completed March 30, 1957 Blower Pipe furnished by Purchaser

## SPECIFICATIONS

### FOR

REBUILDING PRESENT MÖLLER ORGAN OPUS 4860 - 1927 3/20

31200

#### CONSOLE

Install new three manual electro-pneumatic detached draw knob console, pedal keyboard and organ bench.

#### MANUAL CHEST

Releather 1005 manual pipe pouches.  
 Releather one 61 note primary station and install new outside type magnets.  
 Releather three 73 note primary stations and install new outside type magnets.  
 Install 1498 new stop action checks and eyelets.  
 Install 463 new duplex shifters.  
 Releather 22 stop action controls and install new outside type magnets.

#### OFFSET CHEST

Releather Great 8 Diapason action #1-#12 and install new outside type magnets.  
 Releather Great 4 Octave action #1-#12 and install new outside type magnets.  
 Releather Swell 16 Bourdon action #1-#97 and install new outside type magnets.  
 Releather Swell 8 Diapason action #1-#6 and install new outside type magnets.  
 Releather Swell 8 Vox Humana action #1-#73 and install new outside type magnets.

#### CONTACT BOX

Install new contact box for Great 8 Diapason #1-#12.  
 Install new contact box for Great 4 Octave #1-#12.  
 Releather Swell contact box #1-#73 and install new silver conductor contact blocks.  
 Install new contact box for Swell 8 Diapason #1-#6.  
 Install new contact box for Choir 8 Camba #1-#32.

#### SWITCHES

Install the following new switches with stop actions -

|                  |       |                  |          |
|------------------|-------|------------------|----------|
| Swell            | 16    | Bourdon          | 73 Notes |
| Swell            | 8     | Gedeckt          | 73 Notes |
| Swell            | 4     | Orchestral Flute | 73 Notes |
| Swell            | 2-2/3 | Flute Twelfth    | 61 Notes |
| Swell            | 2     | Flautino         | 61 Notes |
| <del>Swell</del> |       | Chimes           | 20 Notes |

*Check*



## FFDAL

Releather 16 Diapason action #1-#44 and install new outside type magnets.  
 Releather 16 Bourdon action #1-#44 and install new outside type magnets.  
 Install new 8 Violoncello primary station #1-#32.  
 Install new 32 note pedal relay with seven 32 note switches.

## EXPRESSION

Releather 12 stage Great and Choir Organ expression action and install new outside type magnets.  
 Releather 9 stage Swell Organ expression action and install new outside type magnets.  
 Recover 21 shade and bumper pneumatics.  
 Install 21 sets of new shade jacks and connecting rods.

## RESERVOIRS

Recover two 3'-0" x 4'-0" Manual reservoirs.  
 Recover one 2'-0" x 4'-0" Manual reservoir.  
 Recover two Pedal reservoirs.  
 Recover two Expression reservoirs.  
 Recover one Chime reservoir.  
 Recover one Console reservoir.  
 Install one new 3'-6" x 3'-6" Blower reservoir.  
 Recover flexible joints in wind trunks.

## TREMOLLO

Install <sup>Two</sup>~~three~~ new electro-pneumatic tremolos.

## CHIMES

Releather 20 note action and install new outside type magnets.  
 Recover 20 pneumatics.  
 Refelt present action.

## PIPES

Install the following new pipes or revoice present pipes -

Great Organ

Install new 8 Diapason<sup>61</sup> pipes on present Open Diapason action.  
 Install new 4 Octave<sup>61</sup> pipes on present Cross Flute action.  
 Install new II Grave Mixture<sup>122</sup> pipes on present Tuba action.

Swell Organ

Install new 8 Geigen Diapason<sup>73</sup> pipes on present Open Diapason action.  
 Install new 4 Principal<sup>73</sup> pipes on present Oboe action.  
 Install new 8 Trompette<sup>73</sup> pipes on present Salicional action.

Revoice present 8 Salicional 73 pipes.  
 Revoice present 8 Voix Celeste 61 pipes.  
 Revoice present 8 Vox Humana 73 pipes.

Choir Organ

Install new 4 Nachthorn 73 pipes on present English Open Diapason action.  
 Install new 2-2/3 Nazard 61 pipes on present Harmonic Flute action.

Revoice present 8 Gamba 73 pipes.  
 Revoice present 8 Clarinet 73 pipes.



## PIPES (cont'd)

Pedal Organ

Install new 16 Diapason <sup>24</sup> ~~12~~ pipes on present Open Diapason action.  
Revoice present 8 Swell Open Diapason ~~12~~ <sup>13</sup> #32 and install on present  
Open Diapason action ~~#12~~ <sup>25</sup> #44.

Install modern tuning slides on all metal pipes.

## ACTION CURRENT

Install new 10-15 volt 30 ampere DC organ power unit.

## CABLES

Present to be used without change.

## GENERAL

All parts requiring releathering or rebuilding as specified above  
to be returned to the factory at Hagerstown, Maryland.

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SPECIFICATIONS  
FOR  
CONSOLE AND ORGAN

MANUAL COMPASS  
PEDAL COMPASS  
WIND PRESSURE  
PITCH

CC to C4, 61 notes

CCC to G, 32 notes

A-440 @ 70°F

GREAT ORGAN <sup>5</sup>

|   |    |                                                             |           |
|---|----|-------------------------------------------------------------|-----------|
| 1 | 8  | Diapason.....New pipes, present Open Diapason action.....   | 61 Pipes  |
| 2 | 8  | Gamba.....from #24.....                                     | 73 Notes  |
| 3 | 8  | Melodia.....from #25.....                                   | 73 Notes  |
| 4 | 8  | Dulciana.....from #26.....                                  | 73 Notes  |
| 5 | 4  | Octave.....New pipes, present Gross Flute action.....       | 61 Pipes  |
| 6 | 4  | Flute Harmonic....Present pipes, present Melodia action.... | 73 Pipes  |
| 7 | 2  | Waldflöte.....from #27.....                                 | 61 Notes  |
| 8 | II | Grave Mixture...New pipes, present Tuba action.....         | 122 Pipes |
| 9 |    | Tremolo (NOT TO AFFECT STOPS 1, 5, & 8.                     |           |

9a

*Chimes - present tubes and action*

SWELL ORGAN <sup>7</sup>

|    |       |                                                               |          |
|----|-------|---------------------------------------------------------------|----------|
| 10 | 16    | Bourdon (Unit)..Present pipes, present action.....            | 97 Pipes |
| 11 | 8     | Geigen Diapason....New pipes, present Open Diapason action..  | 73 Pipes |
| 12 | 8     | Gedeckt.....from #10.....                                     | 73 Notes |
| 13 | 8     | Salicional....Present pipes(revoice) present Aeoline action.. | 73 Pipes |
| 14 | 8     | Voix Celeste TC...Present pipes(revoice) present action.....  | 61 Pipes |
| 15 | 4     | Principal.....New pipes, present Oboe action.....             | 73 Pipes |
| 16 | 4     | Orchestral Flute.....from #10.....                            | 73 Notes |
| 17 | 2-2/3 | Flute Twelfth.....from #10.....                               | 61 Notes |
| 18 | 2     | Flautino.....from #10.....                                    | 61 Notes |
| 19 | 8     | Trumpette....New pipes, present Salicional action.....        | 73 Pipes |
| 20 | 8     | Vox Humana....Present pipes(revoice) present action..SSB....  | 73 Pipes |
| 21 | 4     | Clarion.....from #19.....                                     | 61 Notes |
| 22 |       | Chimes.....Present tubes and action.....                      | 20 Tubes |
| 23 |       | Tremolo                                                       |          |

*At 100 # 22 to # 41 20 tubes*



CHOIR ORGAN 6

|    |       |                |                                                         |          |
|----|-------|----------------|---------------------------------------------------------|----------|
| 24 | 8     | Gamba.....     | Present pipes(revoice)present action.....               | 73 Pipes |
| 25 | 8     | Melodia.....   | Present pipes, present Doppelflöte action.....          | 73 Pipes |
| 26 | 8     | Dulciana.....  | Present pipes, present action.....                      | 73 Pipes |
| 27 | 4     | Nachthorn..... | New pipes, present English Open Diapason<br>action..... | 73 Pipes |
| 28 | 2-2/3 | Nazard.....    | New pipes, present Harmonic Flute action.....           | 61 Pipes |
| 29 | 2     | Piccolo.....   | from #6.....                                            | 61 Notes |
| 30 | 8     | Clarinet.....  | Present pipes(revoice)present action.....               | 61 Pipes |
| 31 |       | Tremolo        |                                                         |          |

PEDAL ORGAN \* 2

|    |    |                      |                                                                                                                                                                      |          |
|----|----|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 32 | 16 | Diapason.....        | New metal pipes 1- <del>12</del> <sup>24</sup> , present Swell Open<br>Diapason pipes <del>43-56</del> <sup>24</sup> , present action 1-44,<br>new action 45-56..... | 56 Pipes |
| 33 | 16 | Bourdon.....         | Present pipes, present action.....                                                                                                                                   | 44 Pipes |
| 34 | 16 | Lieblighgedeckt..... | from #10.....                                                                                                                                                        | 32 Notes |
| 35 | 8  | Principal.....       | from #32.....                                                                                                                                                        | 32 Notes |
| 36 | 8  | Bourdon.....         | from #33.....                                                                                                                                                        | 32 Notes |
| 37 | 8  | Violoncello.....     | from #24.....                                                                                                                                                        | 32 Notes |
| 38 | 4  | Super Octave.....    | from #32.....                                                                                                                                                        | 32 Notes |

(\*) Pedal Organ playable thru new relay and switches

COUPLERS

|    |                   |    |                   |
|----|-------------------|----|-------------------|
| 39 | Great to Pedal    | 52 | Great 4           |
| 40 | Great to Pedal 4  | 53 | Choir to Swell 16 |
| 41 | Swell to Pedal    | 54 | Choir to Swell    |
| 42 | Swell to Pedal 4  | 55 | Choir to Swell 4  |
| 43 | Choir to Pedal    | 56 | Swell 16          |
| 44 | Swell to Great 16 | 57 | Swell Unison Off  |
| 45 | Swell to Great    | 58 | Swell 4           |
| 46 | Swell to Great 4  | 59 | Swell to Choir 16 |
| 47 | Choir to Great 16 | 60 | Swell to Choir    |
| 48 | Choir to Great    | 61 | Swell to Choir 4  |
| 49 | Choir to Great 4  | 62 | Choir 16          |
| 50 | Great 16          | 63 | Choir Unison Off  |
| 51 | Great Unison Off  | 64 | Choir 4           |

ADJUSTABLE COMBINATIONS

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Pistons No. 1-2-3-4-5 | Affecting Great Stops                           |
| Pistons No. 1-2-3-4-5 | Affecting Swell Stops                           |
| Pistons No. 1-2-3-4-5 | Affecting Choir Stops                           |
| Pistons No. 1-2-3-4-5 | Affecting Pedal Stops (duplicated by toe studs) |
| Pistons No. 1-2-3-4-5 | Affecting Full Organ (duplicated by toe studs)  |
| General Cancel Piston |                                                 |

PEDAL MOVEMENTS

- 1 - Great to Pedal Reversible (duplicated by manual piston)
- 2 - Swell to Pedal Reversible (duplicated by manual piston)
- 3 - Choir to Pedal Reversible (duplicated by manual piston)
- 4 - Balanced Expression Pedal - Great & Choir Organs (16 contacts - regular system)
- 5 - Balanced Expression Pedal - Swell Organ (12 contacts - regular system)
- 6 - Grand Crescendo Pedal with indicator light (green jewel)
- 7 - Sforzando Pedal (duplicated by manual piston) with indicator light (red jewel)

ACCESSORIES

Concave and radiating pedal keyboard  
Organ bench with music shelf

Present motor and blower. New DC organ power unit.

HDO/mb  
8/16/56